

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L3    | 44   | brak\$3 same fiber same fiber with length with (mm or micron or "mu.m") and fiber same (align\$4 or orient\$5)   | US-PGPUB; USPAT; USOCR                                   | AND              | ON      | 2010/03/16 15:43 |
| L10   | 1    | (US-5891249-\$).did.   | USPAT  | AND              | ON      | 2010/03/16 16:50 |
| L11   | 0    | l10 and sinter\$4 same (vacuum or inert)   | US-PGPUB; USPAT; USOCR                                   | AND              | ON      | 2010/03/16 16:50 |
| L12   | 0    | l10 and sinter\$4 same (vacuum\$4 or inert)  | US-PGPUB; USPAT; USOCR                                   | AND              | ON      | 2010/03/16 16:50 |
| L13   | 1    | l10 and sinter\$4  | US-PGPUB; USPAT; USOCR                                   | AND              | ON      | 2010/03/16 16:51 |
| S1    | 1    | "20070141315"  | US-PGPUB; USPAT; USOCR                                   | AND              | ON      | 2010/03/10 09:44 |
| S2    | 2    | "20070141315"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND              | ON      | 2010/03/10 09:44 |
| S3    | 4    | ("4083719"   "4500360"   "5660923"   "5891249").PN.  | US-PGPUB; USPAT; USOCR                                   | AND              | ON      | 2010/03/10 09:51 |
| S4    | 24   | ("3197329"   "3310870"   "3575138"   "3608178"   "4333419"   "4365995"   "4466989"   "5042111"   "5042122"   "5123373"   "5128199"   "5310582"   "5660923").PN. OR ("5660923"   "5891249").URPN.   | US-PGPUB; USPAT; USOCR                                   | AND              | ON      | 2010/03/10 10:15 |
| S5    | 9    | S4 and align\$4  | US-PGPUB; USPAT; USOCR                                   | AND              | ON      | 2010/03/10 10:15 |
| S6    | 34   | ((KIMI NORI) near2 (SATO)).INV.  | US-PGPUB; USPAT; USOCR                                   | AND              | ON      | 2010/03/10 11:02 |
| S7    | 56   | ("20020022686"   "20020025998"   "3398322"   "3673121"   "3708387"   "4098945"   "4307147"   "4367745"   "4470063"   "4496475"   "4568592"   "4664971"   "4689250"   "4816184"   "5011870"   "5011872"   "5021494"   "5037590"   "5098610"   "5106540"   "5180513"   "5213715"   "5225110"   "5249620"   "5286416"   "5302456"   "5334330"   "5373046"   "5397608"   "5400505"   "5445308"   "5454425"   "5490319"   "5522962"   "5536568"   "5552214"   "5580493"   "5660923"   "5669381"   "5681883"   "5770305"   "5834337"   "5851644"   "5863467"   "5945217"   "5977230"   "5981085"   "6048919"   "6139783"   "6303096"   "T904012").PN. OR ("6899160").URPN. | US-PGPUB; USPAT; USOCR                                   | AND              | ON      | 2010/03/10 11:04 |

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|-----|------|---|------------------------|-----|-----|------------------|
| S8  | 12   | ("5042111"   "5042122"   "5123373"   "5128199"   "5310582").PN. OR ("5660923").URPN.                              | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 11:04 |
| S9  | 1    | ((NOBUAKI) near2 (OZOE)).INV.   | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 11:08 |
| S10 | 1    | ((JINICHI) near2 (OGAWA)).INV.  | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 11:08 |
| S11 | 15   | ((TOSHI YUKI) near2 (UENO)).INV.  | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 11:08 |
| S12 | 1    | ("20040131835").PN.   | US-PGPUB; USPAT; USOCR | OR  | OFF | 2010/03/10 11:10 |
| S13 | 2988 | puls\$3 adj electric\$3 adj current   | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 11:25 |
| S14 | 23   | puls\$3 adj electric\$3 adj current and metal with fiber with carbon  | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 11:25 |
| S15 | 21   | puls\$3 adj electric\$3 adj current and metal with fiber with carbon and (mix \$4 or grind\$4 or mill\$4)         | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 11:25 |
| S16 | 6    | puls\$3 adj electric\$3 adj current and metal with fiber with carbon and mill\$4                                  | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 11:26 |
| S17 | 21   | puls\$3 adj electric\$3 adj current and metal with fiber with carbon and (mix \$4 or grind\$4 or milling)         | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 11:27 |
| S18 | 21   | puls\$3 adj electric\$3 adj current and metal with fiber with carbon and (mix \$4 or grind\$4 or mill or milling) | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 11:27 |
| S19 | 90   | puls\$3 adj electric\$3 same sinter\$4  | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 11:29 |
| S20 | 49   | puls\$3 adj electric\$3 adj current same sinter\$4  | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 11:30 |
| S21 | 418  | puls\$3 near3 current same sinter\$4  | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 11:30 |
| S22 | 10   | puls\$3 near3 current same sinter\$4 and metal with carbon with fiber   | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 11:30 |
| S23 | 8    | ("5043123"   "5543235").PN. OR ("5993733").URPN.  | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 11:31 |
| S24 | 1    | ("5891247").PN.   | US-PGPUB; USPAT; USOCR | OR  | OFF | 2010/03/10 11:43 |
| S25 | 1    | ("5891249").PN.   | US-PGPUB; USPAT; USOCR | OR  | OFF | 2010/03/10 11:43 |
| S26 | 5    | ((("3606667") or ("3984043") or ("4110505") or ("4132828"))).PN.  | US-PGPUB; USPAT; USOCR | OR  | OFF | 2010/03/10 11:49 |
| S27 | 1    | ((SATOSHI) near2 (KOMATSUBARA)).INV.  | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 12:00 |
| S28 | 0    | (shimane perfectural government).as.  | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 12:01 |
| S29 | 0    | (shimane with perfectural with government).as.  | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 12:01 |
| S30 | 1    | (shimane with perfectural with government).as.  | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 12:01 |

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| S31 | 1  | (shimane with perfectural).as.  | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 12:02 |
| S32 | 24 | (shimane).as.   | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 12:02 |
| S33 | 10 | (US-20090136707-\$ or US-20070141315-\$ or US-20040131835-\$). did. or (US-6899160-\$ or US-6616971-\$ or US-5993733-\$ or US-5660923-\$ or US-5128199-\$ or US-5123373-\$ or US-4132828-\$).did.             | US-PGPUB; USPAT        | AND | ON  | 2010/03/10 12:03 |
| S34 | 7  | S33 and sinter\$4   | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 12:03 |
| S35 | 6  | S33 and sinter\$4 and (align\$4 or orient\$4)   | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 12:04 |
| S36 | 6  | S33 and sinter\$4 and (align\$4 or orient\$5)   | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 12:04 |
| S37 | 4  | S33 and sinter\$4 and (align\$4 or orient\$5) and (mix\$4 or grind\$4 or mill or milling)   | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 12:04 |
| S38 | 4  | S33 and sinter\$4 and (align\$4 or orient\$5) and (mix\$4 or grind\$4 or mill or milling or agitat\$4)  | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 12:04 |
| S43 | 3  | (fiber or whisker) same metal adj powder and mix\$4 same (milling or mill or tumbling or grinding) and (orient\$5 or align\$4) same (fiber or whisker) and sinter\$4 with (sps or spark or plasma or puls\$3) | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 17:32 |
| S44 | 77 | (fiber or whisker) same metal adj powder and mix\$4 same (milling or mill or tumbling or grinding) and (orient\$5 or align\$4) same (fiber or whisker) and sinter\$4  | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/10 17:33 |
| S45 | 1  | ("20040096725").PN.   | US-PGPUB; USPAT; USOCR | OR  | OFF | 2010/03/10 18:24 |
| S46 | 12 | ("5042111"   "5042122"   "5123373"   "5128199"   "5310582").PN. OR ("5660923").URPN.  | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/11 13:06 |
| S47 | 27 | brak\$3 and sinter\$4 and fiber with length and fiber same metal adj powder   | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/11 13:30 |
| S48 | 16 | brak\$3 and sinter\$4 and fiber with length and fiber same metal adj powder and (mill or milling)   | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/11 13:30 |
| S49 | 15 | brak\$3 and sinter\$4 and fiber with length and fiber same metal adj powder and (mill or milling) and fiber with (align\$4 or orient\$5)  | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/11 13:30 |
| S50 | 15 | brak\$3 and sinter\$4 and fiber with length and fiber same metal adj powder and (mill or milling) and fiber with (align\$4 or orient\$5) and (pitch or pan or vapor or phase)                                 | US-PGPUB; USPAT; USOCR | AND | ON  | 2010/03/11 13:32 |

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| S51 | 3    | brak\$3 and sinter\$4 and fiber with length and fiber same metal adj powder and (mill or milling) and fiber with (align\$4 or orient\$5) and (pitch or pan or vapor or phase) and (plasma or puls\$3)   | US-PGPUB; USPAT; USOCR | AND | ON | 2010/03/11 13:33 |
| S52 | 19   | brak\$3 and sinter\$4 and fiber with length and fiber same metal adj powder and (mill or milling or milled) and fiber with (align\$4 or orient\$5) and (pitch or pan or vapor or phase)                 | US-PGPUB; USPAT; USOCR | AND | ON | 2010/03/11 13:35 |
| S53 | 20   | brak\$3 and sinter\$4 and fiber with length and fiber same metal adj powder and (mill or milling or milled) and fiber with (align\$4 or orient\$5 or dimension\$2) and (pitch or pan or vapor or phase) | US-PGPUB; USPAT; USOCR | AND | ON | 2010/03/11 13:36 |
| S54 | 7    | brak\$3 and sinter\$4 and fiber with length and fiber same metal adj powder fiber with (align\$4 or orient\$5) same (mix\$3 or blend\$3 or mill or milling or milled or tumb\$3)                        | US-PGPUB; USPAT; USOCR | AND | ON | 2010/03/11 14:24 |
| S55 | 36   | sinter\$4 and fiber with length and fiber same metal adj powder fiber with (align\$4 or orient\$5) same (mix\$3 or blend\$3 or mill or milling or milled or tumb\$3)                                    | US-PGPUB; USPAT; USOCR | AND | ON | 2010/03/11 14:30 |
| S56 | 36   | sinter\$4 and fiber with length and fiber same metal adj powder fiber with (align\$4 or orient\$5) same (mix\$3 or blend\$3 or mill or milling or milled or tumb\$3)                                    | US-PGPUB; USPAT; USOCR | AND | ON | 2010/03/11 14:30 |
| S57 | 15   | sinter\$4 and fiber with length and fiber same metal adj powder fiber with (align\$4 or orient\$5) with (mix\$3 or blend\$3 or mill or milling or milled or tumb\$3)                                    | US-PGPUB; USPAT; USOCR | AND | ON | 2010/03/11 14:30 |
| S58 | 8    | fiber with length and metal adj powder same fiber with (align\$4 or orient\$5) with (mix\$3 or blend\$3 or mill or milling or milled or tumb\$3)  | US-PGPUB; USPAT; USOCR | AND | ON | 2010/03/11 14:34 |
| S59 | 19   | fiber with length and metal adj powder same fiber with (align\$4 or orient\$5) same (mix\$3 or blend\$3 or mill or milling or milled or tumb\$3)  | US-PGPUB; USPAT; USOCR | AND | ON | 2010/03/11 14:36 |
| S60 | 2805 | rod adj mill\$3   | US-PGPUB; USPAT; USOCR | AND | ON | 2010/03/11 15:07 |
| S61 | 156  | rod adj mill\$3 same fiber  | US-PGPUB; USPAT; USOCR | AND | ON | 2010/03/11 15:07 |
| S62 | 4    | rod adj mill\$3 same fiber and fiber same metal adj powder  | US-PGPUB; USPAT; USOCR | AND | ON | 2010/03/11 15:07 |
| S63 | 66   | rod adj mill\$3 same fiber and fiber same (orient\$5 or direction\$3 or dimension\$2 or align\$4)   | US-PGPUB; USPAT; USOCR | AND | ON | 2010/03/11 15:08 |
| S64 | 28   | rod adj mill\$3 same fiber same (orient\$5 or direction\$3 or dimension\$2 or align\$4)   | US-PGPUB; USPAT; USOCR | AND | ON | 2010/03/11 15:08 |

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| S65 | 17   | rod adj mill\$3 with fiber same (orient\$5 or direction\$3 or dimension\$2 or align \$4) | US-PGPUB; USPAT; USOCR                                   | AND | ON  | 2010/03/11 15:09 |
| S66 | 2    | rod adj mill\$3 with fiber with (orient\$5 or direction\$3 or dimension\$2 or align \$4) | US-PGPUB; USPAT; USOCR                                   | AND | ON  | 2010/03/11 15:09 |
| S67 | 20   | rod adj mill\$3 with (orient\$5 or align \$4)  | US-PGPUB; USPAT; USOCR                                   | AND | ON  | 2010/03/11 15:11 |
| S68 | 0    | rod adj mill\$3 with (orient\$5 or align \$4) same fiber                                 | US-PGPUB; USPAT; USOCR                                   | AND | ON  | 2010/03/11 15:11 |
| S69 | 2    | ("4543345") or ("20050133963").PN.   | US-PGPUB; USPAT; USOCR                                   | OR  | OFF | 2010/03/11 15:14 |
| S70 | 1    | ("4083719").PN.  | US-PGPUB; USPAT; USOCR                                   | OR  | OFF | 2010/03/11 16:36 |
| S71 | 1    | ("4997708").PN.  | US-PGPUB; USPAT; USOCR                                   | OR  | OFF | 2010/03/11 18:00 |
| S72 | 504  | (264/437,438,439,440).CCLS.  | US-PGPUB; USPAT; USOCR                                   | OR  | OFF | 2010/03/11 18:24 |
| S73 | 1493 | (241/170,171,172,173,174).CCLS.  | US-PGPUB; USPAT; USOCR                                   | OR  | OFF | 2010/03/11 18:24 |
| S74 | 2626 | (419/10,11,24,30,45,52).CCLS.  | US-PGPUB; USPAT; USOCR                                   | OR  | OFF | 2010/03/11 18:26 |
| S75 | 966  | (419/32,33).CCLS.  | US-PGPUB; USPAT; USOCR                                   | OR  | OFF | 2010/03/11 18:26 |
| S76 | 11   | fiber with (orient\$5 or align\$4) with (mill or milled or milling) and ball adj mill    | US-PGPUB; USPAT; USOCR                                   | AND | ON  | 2010/03/11 19:22 |
| S77 | 0    | jp04/06502   | US-PGPUB; USPAT; USOCR                                   | AND | ON  | 2010/03/11 19:23 |
| S78 | 0    | jp04/06502   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON  | 2010/03/11 19:23 |
| S79 | 0    | jp2004/06502   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON  | 2010/03/11 19:23 |
| S80 | 3    | "200406502"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON  | 2010/03/11 19:23 |
| S81 | 34   | "06502"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON  | 2010/03/11 19:23 |

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| S82 | 2   | "20060286361"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/03/11<br>19:24 |
| S83 | 789 | ibrak\$3 same fiber and fiber with length<br>and fiber same (align\$4 or orient\$5)  | US-PGPUB;<br>USPAT; USOCR   | AND | ON | 2010/03/12<br>17:56 |
| S84 | 242 | ibrak\$3 same fiber and fiber with length<br>with (mm or micron or "mu.m") and<br>fiber same (align\$4 or orient\$5)                 | US-PGPUB;<br>USPAT; USOCR   | AND | ON | 2010/03/12<br>17:58 |
| S86 | 17  | ibrak\$3 same fiber same fiber with<br>length with (mm or micron or "mu.m")<br>same fiber same (align\$4 or orient\$5)               | US-PGPUB;<br>USPAT; USOCR   | AND | ON | 2010/03/12<br>17:58 |
| S87 | 0   | ibrak\$3 same fiber and fiber with length<br>with (mm or micron or "mu.m") and<br>fiber same (align\$4 or orient\$5) and<br>sinter%5 | US-PGPUB;<br>USPAT; USOCR   | AND | ON | 2010/03/12<br>18:02 |
| S88 | 20  | fiber same tow same fiber with length<br>with (mm or micron or "mu.m") and<br>fiber same (align\$4 or orient\$5) and<br>sinter\$5    | US-PGPUB;<br>USPAT; USOCR   | AND | ON | 2010/03/13<br>15:16 |

**EAST Search History (Interference)**

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**3/16/2010 5:36:45 PM****C:\ Documents and Settings\akhare\My Documents\EAST\Workspaces\10582990.wsp**